FILE #4

Re: file # 1

Box 16

AT [redacted]

STATUS REPORTS

9961-3

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CONTACT DUPLICATING AND RESEAU PRINTER

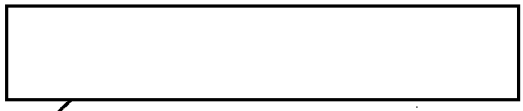
AND

HIGH RESOLUTION STEP AND REPEAT PRINTER

TWENTY-FOURTH MONTHLY LETTER REPORT

July 10, 1966

Period: June 1, 1966 to July 1, 1966



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1.0 CONTACT DUPLICATING AND RESEAU PRINTER

1.1 Purpose

The overall objective of the current contract is the design, fabrication, test and delivery of a Photographic, Step and Repeat, Contact Duplicating and Reseau Printer. Prime design goals are high-speed automatic operation, variable format capability, and high resolution with minimum film distortion or damage. The delivered equipment will be suitable for operational use. The printer will accommodate films of 70mm to 9 1/2" width with frame lengths up to 30 inches and will provide operation in the reseau mode and selective mode as options.

1.2 Activity of this Report Period

Final engineering tests of the printer were initiated, and most of the month was utilized in preparation for demonstration tests to the customer.

Outstanding problems were completion of dodge circuit calibration and debug of the Frame Separation Detector alarm circuits.

A meeting was held at the [redacted] facility with the STAT customer's human factors representative, and a number of mechanical changes were recommended to the Pre-View and Punch Station. These changes included: tilting the viewing table;

bringing the roller lift mechanism to the front panel; replacing the microscope detent lever with a fluted knob; marking the microscope detent positions; providing an adjustable rider for the foot vacuum solenoid switch; and adding a separate vacuum on-off switch, and power connections. These changes were subsequently completed by [ ] STAT

Preliminary demonstration tests were held at the [ ] STAT STAT [ ] facility on June 22 with the Technical Monitors present. These tests were not completed due to a malfunction in the FSD alarm circuitry, and circuit and mechanical changes were requested by the technical monitors to improve reliability and ease of operation. These changes included: adding a switch to the viewing light so the operator could not accidentally leave the light on during the print cycle; "Low original film" and "low raw stock" indications should only illuminate the warning lamp and should not stop the print cycle; adding illumination of the "auto print" cycle switches and "manual print" cycle switches; and disabling of the print cycle if a skipped frame is detected during the automatic mode of operation.

These changes were incorporated and final demonstration tests were scheduled for July 6 at [ ] STAT

1.3 Plans for Next Period

Acceptance tests will be performed at [redacted] STAT and at Washington, D. C. after delivery.

1.4 Problems

There are no outstanding problems.

1.5 Documentation

There was no new documentation.

1.6 Questions Outstanding

There are no outstanding questions.

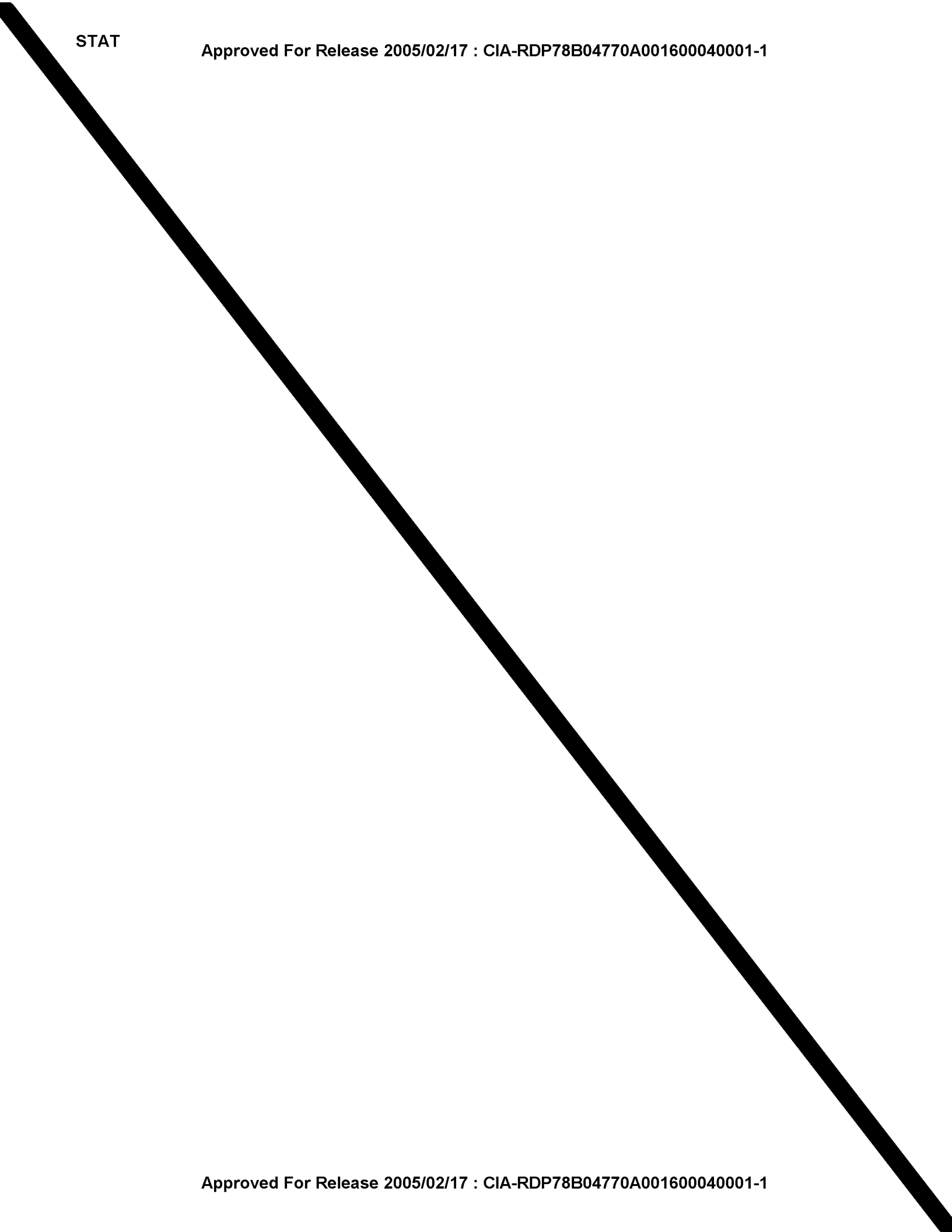
2.0 HIGH RESOLUTION STEP AND REPEAT PRINTER

2.1 Purpose

The purpose of this effort is to design, fabricate, test and deliver in twenty months a high precision, step and repeat, photographic contact printer. This printer will be capable of producing photographic contact prints of the highest possible quality, resolution, and acutance from roll films of width varying from 70 mm to 9 1/2" and in pre-selected frame lengths from 5 inches up to a maximum of 30 inches.

2.2 Activity of This Report Period

There was no activity this month. The stop work period expired January 11, 1966. [redacted] is still awaiting STAT Government direction.



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